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**MPEG system which decompresses and recompresses image data before storing image data in a memory and in accordance with a resolution of a display device**

BA Canfield, WM Lam, ... - US Patent 5,825,424, 1998 - Google Patents

... by said **data** reduction network is a function of the **image** resolution of an associated **image display** device. In a disclosed embodiment of the invention, a television receiver with an MPEG decoder is configurable for full high definition decoding and **display**, or **reduced** cost lower ...

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**Display control apparatus for use in composite document processing apparatus**

M Terasawa - US Patent 4,823,303, 1989 - Google Patents

... within a first view- port for indicating a **display** region on the **display** means in which the **display data** on the first win- dow is displayed, and for developing the **reduced** document **data** in the **display data** storage means in an **image** form, thus providing a **reduced display** to the ...

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**The Laplacian pyramid as a compact image code**

P Burt, ... - Communications, IEEE Transactions on, 1983 - [ieeexplore.ieee.org](#)

... Further **data** compression is achieved by iterating this pro- cess. The **reduced image** g, is itself low-pass filtered to yield g2 and a second error **image** is obtained:  $L2(Q) = g - g2(U)$ . By repeating these steps several times we obtain a sequence of two-dimensional arrays  $L_0, L_1, \dots$

[Cited by 3575](#) - [Related articles](#) - [All 102 versions](#)

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**Segmented principal components transformation for efficient hyperspectral remote-sensing image display and classification**

X Jia, ... - Geoscience and Remote Sensing, IEEE ..., 1999 - [ieeexplore.ieee.org](#)

... **data** reduction ratio and generate the three most significant components for color **display**. ... A **reduced** number of features will also accelerate the maximum likelihood classification process ... in terms of classification accuracy, speed, and quality of color **image display** using two ...

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[\[PDF\] from adfa.edu.au](#)

**Electrophoretic image display with reduced drives and leads**

RB Liebert, ... - US Patent 4,522,472, 1985 - Google Patents

... the geometry of a standard control grid 50 type of electrophoretic **image display** (EPID), such ... the SIPO shift register 23 and the number of column drivers 13 are greatly **reduced**. ... What we claim:  
1. An electrophoretic **display** device comprising first and second oppositely disposed ...

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**Electronic still camera providing multi-format storage of full and reduced resolution images**

DW Kuchta, ... - US Patent 5,164,831, 1992 - Google Patents

... due to the necessity of decompression or expansion, require significant amounts of time to **display** due to size ... In keeping with the invention, the "thumbnail" or **reduced** resolution **image** is added to the ... In terms of the multi-format file, a "thumbnail" **image** is a much smaller **data** file ...

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**Reduced-speckle display system**

EE Thompson, ... - US Patent 5,272,473, 1993 - Google Patents

... 17 Page 21, 5,272; 473 **REDUCED-SPECKLE DISPLAY SYSTEM** This application is a continuation of application Ser. No. ... 22, 1992, "Apparatus and 15 Method for **Image** Projection" by E. Earle Thompson and Thomas W. DeMond, (Continuation of Ser. Nos. ...

[Cited by 242](#) - [Related articles](#) - [All 2 versions](#)

**Display of surfaces from volume data**

M Levoy - Computer Graphics and Applications, IEEE, 1988 - [ieeexplore.ieee.org](#)

... Although this article focuses on **display** of surfaces, the same pipeline can easily be ... By resampling separately in each of three orthogonal directions, computational expense is **reduced**. ... to omit the third pass entirely, com- posing transformed 2D slices together to form an **image**. ...

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**Weighted mapping of image data samples to pixel sub-components on a display device**

W Hill, M Duggan, LB Keely Jr., ... - US Patent ..., 2001 - Google Patents

... (45) Date of Patent: 'May 29, 2001 (54) **WEIGHTED MAPPING OF IMAGE DATA SAMPLES TO PIXEL SUB-COMPONENTS ON A DISPLAY DEVICE** (75) Inventors: William Hill, Carnation; Michael Duggan, Kirkland, both of WA (US); Leroy B. Keely, Jr., Portola Valley, CA (US ...

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**Variance-based color image quantization for frame buffer display**

SJ Wan, P Prusinkiewicz, ... - Color Research & ..., 1990 - Wiley Online Library

... of them can be displayed simultaneously.' Thus, if the number of colors in the original **image** exceeds K, it must be **reduced** to K before **image display**. This process has been referred to as color **image** quantization, although the term color compression might be more suitable ...

[Cited by 140](#) - [Related articles](#)

**[BOOK] JPEG still image data compression standard**

WB Pennebaker, ... - 1993 - [books.google.com](#)

... x JPEG: STILL **IMAGE DATA COMPRESSION STANDARD** 14.10 Robustness of estimators versus

refinement of models 3 249 14.11 Other estimation ... bitrate VQ enhanced decoding 3 264 16.3  
An approximate form of adaptive quantization 3 264 16.4 **Display**-adjusted decoding ...  
[Cited by 2690](#) - [Related articles](#) - [Library Search](#) - [All 5 versions](#)

#### High-speed ultrasound volumetric imaging system. II. Parallel processing and image display

OT von Ramm, SW Smith... and Frequency Control, ..., 1991 - [ieeexplore.ieee.org](#)  
... Thus, perspective is included in this **display** as a depth cue. As in B-scans, echoes from distant targets are **reduced** because of at-enuation and diffraction effects ... Images: An interesting feature of all ultrasound scanning is the ability to suppress unwanted **image data** simply by ...  
[Cited by 194](#) - [Related articles](#) - [All 7 versions](#)

#### Liquid crystal **display** with **reduced** power dissipation and/or **reduced** vertical striped shades in frame control and control method for same

H Moriyama - US Patent 5,790,092, 1998 - [Google Patents](#)  
... of a sequence of to serve as a screen for displaying a transient scene of an positive integers, to provide a flicker-less high quality **image** extent of an original **image**. in a frame with a **reduced** number of undesirable horizontal In the conventional **display** described, a ...  
[Cited by 50](#) - [Related articles](#) - [All 2 versions](#)

#### Mapping **image data** samples to pixel sub-components on a striped **display** device

W Hill, M Duggan, LB Keely Jr... - US Patent ..., 2001 - [Google Patents](#)  
... 17,2001 (54) MAPPING **IMAGE DATA** SAMPLES TO PIXEL SUB-COMPONENTS ON A STRIPED **DISPLAY DEVICE** (75) Inventors: William Hill, Carnation; Michael Duggan, Kirkland, both of WA (US); Leroy B. Keely, Jr., Portola Valley, CA (US); Gregory C. Hitchcock, Woodinville ...  
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#### SLM **display data** address mapping for four bank frame buffer

JS Farnis... - US Patent 6,741,503, 2004 - [Google Patents](#)  
... result is fewer overhead cycles, which makes faster load times possible, as well as **reduced** manufacturing time ... 1 illustrates the very basic design of an SLM-based **display** system 10. ... Raw **image data** is received from a source, such as a computer memory or video or TV signal. ...  
[Cited by 154](#) - [Related articles](#) - [All 4 versions](#)

#### **Image display apparatus**

K Kita - US Patent 5,172,103, 1992 - [Google Patents](#)  
... Therefore, in a conventional **image display** apparatus, even if a plurality of original **image data** to be displayed have a constant pixel size in units of original **image data**, images are displayed while being **reduced** or enlarged in 25 proportion to the **display** sizes (inch sizes) of ...  
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#### Multigap liquid crystal color **display** with **reduced image** retention and flicker

ES Haim... - US Patent 5,402,141, 1995 - [Google Patents](#)  
... COLOR **DISPLAY WITH REDUCED IMAGE RETENTION AND FLICKER** [75] Inventors: Elias S. Haim, Glendale, Ariz.; Tomihisa Sunata, Miki, Japan [73] Assignee: Honeywell Inc., Minneapolis, Minn. [21] Appl. No.: 964,102 [22] Filed: Oct 16, 1992 Related US Application **Data** [63 ...  
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#### Three dimensional **data display** method utilizing view point tracing and **reduced** document images

A Aoki, S Suzuki, Y Aitani, A Ono, Y Obuchi... - US Patent ..., 2001 - [Google Patents](#)  
... OF CREATION, SIZE, **DATA FORMAT**, POINTER TO **REDUCED IMAGE, DATA PARTITION**, & POINTER TO APPLICATION PROCESSING SECTION ■S3 1 S 3 2 COMPUTE THICKNESS MAGNIFICATION GENERATE **DATA MODEL DISPLAY REDUCED IMAGE ON DISPLAY** ...  
[Cited by 38](#) - [Related articles](#) - [All 2 versions](#)

#### **Image display** and archiving system and method

DA Dwyer, JE Handy, PE Curry... - US Patent ..., 1996 - [Google Patents](#)  
... A NEW ALBUM 111 I TITLE OF ALBUM IS ASSIGNED BY **DATA** AND TIME ... **IMAGE FILES COPY** TIME, DATE .AJ SERIAL NUMBER, AND COMMENTS FOR **IMAGE** TO HARD ... COUNT @A RUN SCREEN SAVER, BRING UP IDS MENU AND **DISPLAY** COMPLETION MESSAGE ...  
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#### Liquid crystal **display** device which regulates **display** of frame **image data** and operation of backlight unit to reduce power consumption

Y Kawasaki... - US Patent 5,812,149, 1998 - [Google Patents](#)  
... unit is turned off, so that consumption power of the liquid crystal **display** device can be **reduced**.  
45 What is claimed is: 1. A liquid crystal **display** device comprising: a **display** portion; memory means for storing at least continuous first and second frame **image data**; 50 comparing ...  
[Cited by 28](#) - [Related articles](#) - [All 2 versions](#)

#### **Display apparatus**

K Kuga - US Patent 5,686,940, 1997 - [Google Patents](#)  
... the driver circuit 6 so predetermined value and a second predetermined value that a part of the **image data** is displayed ... the changeover between the enlarged **image** the high-speed scrolling are performed according to the **display** and the **reduced image display** is made in ...  
[Cited by 42](#) - [Related articles](#) - [All 2 versions](#)

#### [PDF] Clinical applications of cone-beam computed tomography in dental practice

[\[PDF\] from cda-adc.ca](#)

WC Sclarie, AG Farman... - Journal-Canadian Dental ..., 2006 - [cda-adc.ca](#)  
... This provides the clinician with the opportunity to use chair-side **image display**, real-time analysis ... Because the CBCT volumetric **data** set is isotropic, the entire volume can be ... **Reduced image** artifact: With manufacturers' artifact suppression algorithms and increasing number of ...  
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#### **Image data** compression: A review

AK Jain - Proceedings of the IEEE, 1981 - [ieeexplore.ieee.org](http://ieeexplore.ieee.org)

... Application of **data** compression is also possible in the development of fast algorithms where the number of operations required to im- plement an algorithm is **reduced** by working with the com- pressed **data**. **Image data** compression methods can be classified in two basically ...

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#### Vibratory tactile **display** of image-based textures

Y Imai, K Wakamatsu... - IEEE Computer Graphics and ..., 1997 - [computer.org](http://computer.org)

... We **reduced image** brightness to 10 levels, including zero level. Each pin of the tactile **display** was driven at the **image's** intensity level. We used two categories of **image data**: images consisting of patterns small relative to fingertip size, and images containing patterns larger than ...

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#### **Image display** device with plural **data** driving circuits for driving the **display** at different voltage magnitudes and polarity

Y Kubota, H Yoneda... - US Patent 5,748,165, 1998 - Google Patents

... voltages of the **data** signal line driving circuits may be lowered. As a result, the power consumption of the **image display** device may be saved, and the withstand voltage of the constituent elements can be lowered. Thus, manufacturing cost and operating cost can be **reduced**. ...

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#### Optical scanning device an optical scanning type **display** and an **image data** input/output device

Y Izumi... - US Patent 5,482,385, 1995 - Google Patents

... of the present invention to provide an optical scaiuiing device in which a number of a LD 20 used is **reduced**, and its cost becomes cheap and a minia- turization of the device is realized, and moreover to provide an optical scanning type **display**, an **image data** input/output ...

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#### Remote **image** exploitation **display** system and method

DM Iodice... - US Patent 5,613,051, 1997 - Google Patents

... resolution generating means for creating plural, 60 successively **reduced** resolution sets of digital **data** from said first set of digital **data**; a digital storage means for storing said first set of digital **data** and said **reduced** resolution sets of digital **data**; **image display** means remote ...

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#### [PDF] Electronic **display** system for computational holography

PS Hilaire, SA Benton, M Lucente, ML Jepsen... - Proc. SPIE, 1990 - Citeseer

... Third, the resolution of the **image** is **reduced** to the visual limit or the resolution of the ... The present holographic video system is capable of a horizontal-parallax-only holographic **image**, with 64 vertical ... can be used to store the CGH while being read out to the **display** apparatus. ...

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#### Multiple **image** processing and **display** system

I Almonoya - US Patent 5,047,858, 1991 - Google Patents

... Therefore, in order to **display** a size-**reduced** sub-frame **image**, the time axis should be changed beforehand. ... 8a, to reduce the vertical direc- 65 tion by J, the scan lines 8-2a, 8-26 of an **image** 8-1 picked up with an **image** pickup device are thinned every sec- ond scan line. ...

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#### **Image display** and remote control system capable of displaying two distinct images

JB Sampsel - US Patent 6,496,122, 2002 - Google Patents

... via the remote control. As used herein the term "**image**" should be construed to include any present and future types of **data** capable of **display**. Video or graphics **data** are considered to be types of **image data**. 60 The term "**image** ...

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display of reduced image data

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